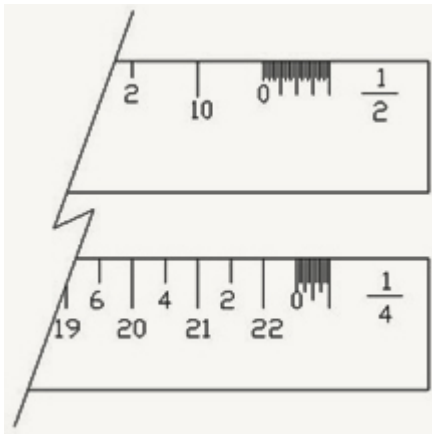


(These items were developed by teachers for the Technical Skills Assessment. Below is a sample item for each program standard.)

### Question 1 of 7

What type of scale is represented by this image?



- ☐ A) Architectural
- ☐ B) Engineering
- ☐ C) Metric
- ☐ D) Civil

### Question 2 of 7

What does this symbol represent?



- ☐ A) Diameter
- ☐ B) Parallelism
- ☐ C) Equal
- ☐ D) Angularity

### Question 3 of 7

A drawing is to be plotted on a 1:2 scale. What is the scale factor for scaling down the drawing?

- ☐ A) 2
- ☐ B) 1
- ☐ C) 1/2
- ☐ D) 5

### Question 4 of 7

What output device would be used to produce a physical prototype?

- ☐ A) Plotter
- ☐ B) Digitizer
- ☐ C) 3D scanner
- ☐ D) 3D printer

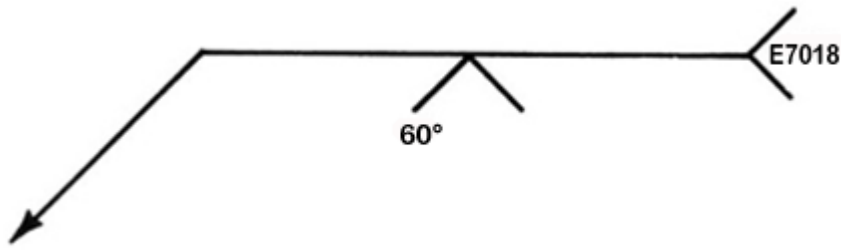
### Question 5 of 7

What is the line that indicates a nonvisible feature called?

- ☐ A) Extension
- ☐ B) Visible
- ☐ C) Hidden
- ☐ D) Cutting plane

### Question 6 of 7

What does this symbol represent?



- ☐ A) V-groove weld
- ☐ B) Fillet weld
- ☐ C) Note leader
- ☐ D) Surface finish

### Question 7 of 7

What is NOT a component of a dimensioning system?

- ☐ A) Arrow heads
- ☐ B) Leader lines
- ☐ C) Orientation lines
- ☐ D) Extension lines

## Mechanical Drafting Sample Test Answer Key

Question	Answer
1.	A
2.	B
3.	C
4.	D
5.	C
6.	A
7.	C